

	Hits	Search Text
1	31	job adj3 (id identifier) and analysis adj3 tool
2	6	kiosk with print\$3 with (web\$6 html internet) adj3 (page file document message email mail)

COMPLETED

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Staff Use OnlyUSCOM-DC

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US-PAT-NO: 6354630

DOCUMENT-IDENTIFIER: US 6354630 B1

TITLE: Method for embedding non-intrusive encoded data in
printed matter

----- KWIC -----

Brief Summary Text - BSTX (23):

In order to minimize the visual impact of the print control symbol, the bit characters are made as small as possible. Preferably, each bit character is formed from only a few pels of the printer, with imaging capability and minimum web speeds being the limitation on the minimum size of the characters. With current, commercially feasible imaging equipment, the minimum size of the characters is about 0.051 millimeters (mm), although characters as small as 0.025 mm or even smaller can be used in certain applications. On the other end of the spectrum, characters as large as 0.25 mm will be sufficiently inconspicuous for use in certain other applications. Currently, the print characters being used are 0.085 mm in size. The minimum spacing between the centers of adjacent characters is about 0.2-0.4 mm, and more preferably, 0.25 mm. More generally, the spacing is 2-4 times the character size. The variation in relative spacing is about 15%. In a 300 dots per inch (DPI) laser printer, each bit character consists of one. In a 400 DPI printer, each bit characters consist of four pels in a 2.times.2 square matrix; and in a 600 DPI printer, each bit character can include nine pels in a 3.times.3 square matrix.

Other Reference Publication - OREF (1):

Berghel et al. Protection ownership rights through digital watermarking, Internet Kiosk, Jul. 1996 pp. 101-103.